

AMENDMENTS TO THE CLAIMS

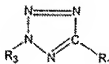
1-6. Canceled.

7. (Currently Amended) A propellant composition for producing reaction products in gas generators, the components of the composition consisting essentially of:

at least one nitrogen-containing compound selected from the group consisting of tetrazole or a tetrazole derivative of the formulae IA or IB:



IA



IB

wherein R₁ and R₂ or R₃ are identical or different and are hydrogen, hydroxy, amino, carboxy, an alkyl residue of 1-7 carbon atoms, an alkenyl residue of 2-7 carbon atoms, an alkylamino residue of 1-10 carbon atoms, an aryl residue, an arylamino residue, a substituted aryl residue or a substituted arylamino residue, the substituted aryl residue or substituted arylamino residue being substituted by one or several substituents which are identical or different, and which are selected from the group consisting of an amino group, a nitro group and an alkyl group of 14 carbon atoms or a sodium, a potassium or a guanidinium salt of said tetrazole or tetrazole derivative;

an oxidizing agent ~~comprising~~ selected from the group consisting of a peroxide or ~~comprising and~~ a mixture of a peroxide and a nitrate;

ferrocene as a catalyst;

up to 5 wt.% of a coolant selected from the group consisting of diammonium oxalate, oxalic acid diamide, dicyandiamide, carbonates, and bicarbonates, and combinations thereof; and

up to 5 wt.% of a reducing agent selected from the group consisting of iron powder, magnesium powder, zirconium powder, and titanium powder, and combinations thereof.

8. (Currently Amended) A propellant composition according to claim 7, wherein the reaction products of the propellant composition primarily include CO₂, N₂ and H₂O, and do not contain toxic CO and NO_x gases or chlorine compounds in excess of health-endangering concentrations as defined by at least one of MAK and TLV values.

9-12. Cancelled

13. (New) A propellant composition according to claim 7, wherein the molar ratio of the at least one nitrogen-containing compound to the peroxide is in a range of 1 : 1 to 20.

14. (New) A propellant composition according to claim 13, wherein the composition is free of chlorates and perchlorates.

15. (New) A propellant composition according to claim 7, wherein the composition is free of chlorates and perchlorates.